PATENT COOPERATION TREATY

PCT

REC'D 06 JUN 2005

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

PCT MISO

(PCT Article 36 and Rule 70)

Applicant's or age	ent's file reference	TOD PERDENING ACT	YON	G. P. DOTTOTTE A /A16				
689290.188		FOR FURTHER ACT		Sce Form PCT/IPEA/416				
International application No.		International filing date (da	ay/month/year)	Priority date (day/month/year)				
PCT/US04/09289		15 April 2004 (15.04.2004		15 April 2003 (15.04.2003)				
International Patent Classification (IPC) or national classification and IPC								
IPC(7): C12Q 1/68 and US Cl.: 435/6								
Applicant								
AVALON PHARMACEUTICALS, INC.								
 This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 								
2. This l	2. This REPORT consists of a total of the sheets, including this cover sheet.							
3. This report is also accompanied by ANNEXES, comprising:								
a	a. (sent to the applicant and to the International Bureau) a total of sheets, as follows:							
sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).								
	sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.							
ъ. 🗆] (sent to the Intern	ational Bureau only) a tota	l of (indicate type ar	nd number of electronic carrier(s))				
, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).								
4. This	report contains indic	cations relating to the follow	wing items:					
	Box No. I	Basis of the report						
	Box No. II	Priority						
	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability							
		ack of unity of invention						
		easoned statement under Article 35(2) with regard to novelty, inventive step or dustrial applicability; citations and explanations supporting such statement						
		Certain documents cited		and supporting such summan.				
	Box No. VII	Certain defects in the international application						
	Box No. VIII	Certain observations on the	international applica	ation				
Date of submission of the demand Date of completion of this report								
10 November 200	04 (10 11 2004)		27,May 2005 (27.05.	2005				
10 November 2004 (10.11.2004) Name and mailing address of the IPEA/ US			Authorized officer	Laura L				
Mail Sto	p PCT, Attn: IPEA/US		1 xan	- Dlanger X				
P.O. Box			Kennelh R. Horlick	()				
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Form PCT/IPEA/409 (cover sheet)(January 2004)								

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.	
PCYT/I IS0//00280	

Box No. I Basis of the report
 With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
This report is based on translations from the original language into the following language, which is the language of a translation furnished for the purposes of:
international search (under Rules 12.3 and 23.1(b))
publication of the international application (under Rule 12.4)
international preliminary examination (under Rules 55.2 and/or 55.3)
2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):
the international application as originally filed/furnished
the description:
pages 1-80 as originally filed/furnished
pages* NONE received by this Authority on
pages* NONE received by this Authority on
the claims:
pages 81-91 as originally filed/furnished
pages* NONE as amended (together with any statement) under Article 19
pages* NONE received by this Authority on pages* NONE received by this Authority on
the drawings:
pages NONE as originally filed/furnished pages* NONE received by this Authority on
pages* NONE received by this Authority on pages* NONE received by this Authority on
a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.
3. The amendments have resulted in the cancellation of:
the description, pages
the claims, Nos
the drawings, sheets/figs
the sequence listing (specify):
any table(s) related to the sequence listing (specify):
4. This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
the description, pages
the claims, Nos
the drawings, sheets/figs
the sequence listing (specifi):
any table(s) related to the sequence listing (specify):
* If item 4 applies, some or all of those sheets may be marked "superseded."
Form PCT/IPEA/409 (Box No. I) (January 2004)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.	
PCT/US04/09289	

Box No.		on with regard to novelty, inventive step and industrial applicability
The ques	tions whether the claimed inventionally applicable have not been exami	n appears to be novel, to involve an inventive step (to be non obvious), or to be ned in respect of:
	the entire international application	
\boxtimes	claims Nos. 1-83 (in-part)	
	because:	
	the said international application, not require an international prelim	or the said claim Nos relate to the following subject matter which does inary examination (specify):
	the description, claims or drawing that no meaningful opinion could	gs (indicate particular elements below) or said claims Nos are so unclear be formed (specify):
	the claims, or said claims Nos. opinion could be formed.	are so inadequately supported by the description that no meaningful
	no international search report has	been established for said claims Nos. <u>1-83 (in-part)</u>
	the nucleotide and/or amino acid the Administrative Instructions in	sequence listing does not comply with the standard provided for in Annex C of that:
	the written form	has not been furnished
		does not comply with the standard
	the computer readable form	has not been furnished
		does not comply with the standard
	the tables related to the nucleotid comply with the technical require	e and/or amino acid sequence listing, if in computer readable form only, do not ements provided for in Annex C-bis of the Administrative Instructions.
	See Supplemental Box for furthe	r details.

Form PCT/IPEA/409 (Box No. III) (January 2004)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

Form PCT/IPEA/409 (Box No. V) (January 2004)

International application No. PCT/US04/09289

Box No. V Reasoned statement under Ar applicability; citations and ex	ticle 35(2) with planations supp	regard to novelty, inventive st porting such statement	ep or industrial
1. Statement			
Novelty (N)	Claims	NONE	YES
1.0.1021) (2.1)	Claims		NO
Inventive Step (IS)	Claims	NONE	
	Claims	1-83	NО
To describe Appalicability (TA)	Claims	1-83	YES
Industrial Applicability (IA)		NONE	NO
	Ciamis	NONE	
Claims 1-83 (with respect to SEQ ID NO:1) meet t the subject matter claimed can be made or used in i	he criteria set out industry.	in PCT Article 33(4), and thus have	: moustrial applicability occaus
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